

EUROPE'S GREATEST MINDS. INVENTORS AND DISCOVERERS

LESSON PLAN

Topic: They Changed Europe - European Inventors and Discoverers

Overview

Without inventions and discoveries it would be impossible to live a modern lifestyle. The man has been using nature, taming it and giving it new purposes for centuries.

Objective

Students will:

- Get to know some European inventors and discoverers
- Learn about their inventions and discoveries and how they were used in various branches of science and daily life
- Find out some fun facts on famous inventors and discoverers
- Explore the influence of inventions and discoveries on human live over the centuries.

Materials

- tablets or smartphones for students (also with the internet access
- worksheets,
- pictures of famous inventors and discoverers together with QR codes.

Step 1 – INTRODUCTION

- Students get wordsearch puzzles and solve them.
 - Brainstorming: What is a discovery? What is an invention?
 - Discussion: how do discoveries and inventions influence our lives?
 - Brainstorming: which inventors and discoverers do you know?

Step 2 – PRESENTATION

Students get worksheets with the pictures presenting different European discoverers and inventors and the QR codes. Their task is to:

- Scan the QR code and read about the inventor / discoverer
- Cut out the portraits, glue them onto the worksheet in chronological order and complete the table.

Step 3 – CONSOLIDATION

Presentation of the discoverers and inventors – putting pictures and information onto a big poster.

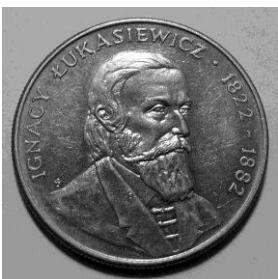
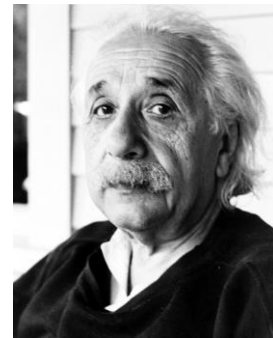
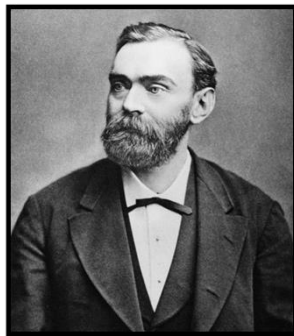
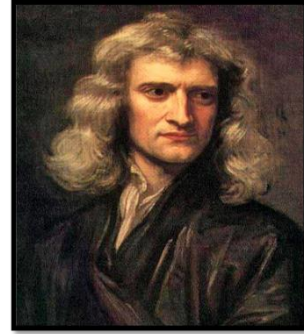
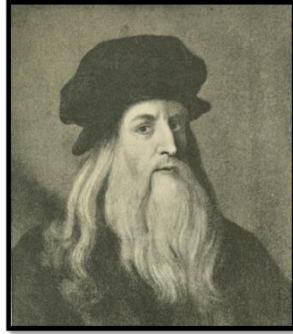
Step 4 – EVALUATION

Wordsearch for the names of inventors and discoverers.

Author: Kornelia Magiera

WORKSHEET 1

portraits of inventors and discoverers + QR codes



source: Wikipedia

https://pl.wikipedia.org/wiki/Plik:Portrait_of_a_Man_Said_to_be_Christopher_Columbus.jpg
<https://ciekawostkihistoryczne.pl/leksykon/leonardo-da-vinci-1452-1519/>
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https://commons.wikimedia.org/wiki/File:Album_pisarzy_polskich_page027__Miko%C5%82aj_Kopernik.png
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[https://pl.wikipedia.org/wiki/Plik:Marie_Curie_\(1900\).jpg](https://pl.wikipedia.org/wiki/Plik:Marie_Curie_(1900).jpg)
https://pl.m.wikipedia.org/wiki/Plik:Stefan_Drzewiecki.jpg
https://pl.wikipedia.org/wiki/Plik:Kazimierz_Pr%C3%B3szy%C5%84ski_1909.jpg
<https://www.maxpixel.net/Man-Albert-Einstein-Physicist-E-Mc2-Scientist-401491>
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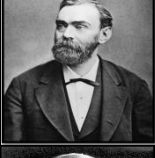
WORKSHEET 2

Portrait	Name	Discovery / invention
		
		
		
		
		
		
		
		
		
		

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source: Wikipedia

WORKSHEET 2 - KEY

Portret	Nazwisko	Wynalazek/Odkrycie
	Christopher Columbus (1451 – 1506) Italy	Discovered America
	Leonardo da Vinci (1452-1519) Italy	Made a variety of inventions, such as hydraulic pumps, reversible crank mechanisms, finned mortar shells, a steam cannon etc.
	Mikołaj Kopernik (1473- 1543) Poland	Stopped the Sun, moved the Earth
	Isaac Newton (1643 – 1727) England	Discovered three rules of dynamics
	Ignacy Łukasiewicz (1822 – 1882) Poland	Invented the oil lamp
	Alfred Nobel (1833 – 1896) Sweden	Invented the dynamite Funded the Prize for special achievements
	Stefan Drzewiecki (1844 – 1938) Poland	Invented the speed registrar for trains, dromograph – device to draw the route of a ship, a plane flight stabilizer, an aerodynamic tunnel etc.
	Maria Skłodowska – Curie (1867 – 1934) Poland	Discovered Polonium and Radium Exploded radioactivity
	Kazimierz Prószyński (1875 – 1945) Poland	Invented the first pleograph, the film camera
	Albert Einstein (1879 – 1955) Germany	Developed the theory of relativity and put the foundations of modern physics

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source: Wikipedia

WORKSHEET 3 – WORDSEARCH I

I. Colour every THIRD box – the letters in coloured boxes will show your solution:

A	B	I	K	G	N	L	M	V	K
I	E	R	W	N	P	Q	T	A	E
I	O	Z	O	F	E	N	T	K	

II. Colour every FOURTH box – the letters in coloured boxes will show your solution:

H	K	O	D	B	I	K	I	K	T
R	S	A	Y	C	Y	C	O	A	O
M	O	Z	V	G	R	S	E	H	P
G	R	H	Q	V	Y	J	Z	G	

WORKSHEET 4 – WORDSEARCH II

W	E	G	H	J	B	N	X	S	E	F	N	E	W	T	O	N
C	L	K	L	O	L	F	H	U	S	P	Y	T	R	O	W	O
H	E	C	O	P	E	R	N	I	K	W	D	F	O	K	J	B
A	O	O	P	E	O	Y	U	N	L	K	L	O	S	F	N	E
L	N	L	Q	R	N	K	L	O	O	G	Q	P	E	B	B	L
U	A	U	H	J	A	X	D	H	D	E	H	J	B	C	F	T
K	R	M	P	E	R	Q	P	E	O	W	C	B	N	X	P	H
A	T	B	Q	P	D	R	Z	E	W	I	E	C	K	I	R	J
S	O	U	D	H	O	A	Q	P	S	F	P	E	Q	P	O	S
I	S	S	P	E	D	S	H	J	K	Y	G	P	E	L	S	O
E	E	F	R	T	A	Y	U	N	A	N	X	S	E	U	Z	S
W	B	D	G	T	V	K	L	O	C	P	Y	T	R	M	Y	E
I	H	G	P	E	I	S	Y	I	U	U	C	B	N	I	N	B
C	Z	C	B	N	N	D	H	K	R	J	H	J	T	E	S	C
Z	X	Q	P	A	C	X	D	H	I	K	F	A	W	R	K	F
X	M	K	L	O	I	C	B	N	E	I	N	S	T	E	I	N

WORKSHEET 3 – WORDSEARCH I – KEY

I. Colour every THIRD box – the letters in coloured boxes will show your solution:.

A	B	I	K	G	N	L	M	V	K
I	E	R	W	N	P	Q	T	A	E
I	O	Z	O	F	E	N	T	K	

II. Colour every FOURTH box – the letters in coloured boxes will show your solution:

H	K	O	D	B	I	K	I	K	T
R	S	A	Y	Y	C	C	O	A	O
M	O	Z	V	G	R	S	E	H	P
G	R	H	Q	V	Y	J	Z	G	

WORKSHEET 4 – WORDSEARCH II – KEY

W	E	G	H	J	B	N	X	S	E	F	N	E	W	T	O	N
C	L	K	L	O	L	F	H	U	S	P	Y	T	R	O	W	O
H	E	C	O	P	E	R	N	I	K	W	D	F	O	K	J	B
A	O	O	P	E	O	Y	U	N	L	K	L	O	S	F	N	E
L	N	L	Q	R	N	K	L	O	O	G	Q	P	E	B	B	L
U	A	U	H	J	A	X	D	H	D	E	H	J	B	C	F	T
K	R	M	P	E	R	Q	P	E	O	W	C	B	N	X	P	H
A	T	B	Q	P	D	R	Z	E	W	I	E	C	K	I	R	J
S	O	U	D	H	O	A	Q	P	S	F	P	E	Q	P	O	S
I	S	S	P	E	D	S	H	J	K	Y	G	P	E	I	S	O
E	E	F	R	T	A	Y	U	N	A	N	X	S	E	U	Z	S
W	B	D	G	T	V	K	L	O	C	P	Y	T	R	S	Y	E
I	H	G	P	E	I	S	Y	I	U	U	C	B	N	I	N	B
C	Z	C	B	N	N	D	H	K	R	J	H	J	T	G	S	C
Z	X	Q	P	A	C	X	D	H	I	K	F	A	W	R	K	F
X	M	K	L	O	I	C	B	N	E	I	N	S	T	E	I	N